

## REMARKS

Claim 2 is canceled. No claims are added by amendment. Claim 28 is allowed, claims 1-8 are rejected, and claims 9-27 are objected to. Accordingly, claims 1 and 3-27 are at issue.

On page 1, the examiner makes final the restriction requirement. The office action states: "For clarification purposes, claims 1-28 are pending in the application, claims 29-57, 67-76 are non-elected, and claims 58-66, 77-79 are withdrawn from consideration." It is unclear what the difference is between non-elected and withdrawn, because all are subject to the restriction requirement. Accordingly Claims 29-79 are presently designated as "withdrawn".

Claims 1-8 stand rejected under 35 U.S.C. §102(e) as being anticipated by Yeldener, U.S. Patent No. 5,890,108. Yeldener appears to involve conventional pitch estimation using a single pitch tracking path. Yeldener is based on the assumption that the pitch will not vary much across consecutive frames. See Yeldener, col. 11, ll. 41-46. In contrast, claim 1 recites, inter alia, calculating a cumulative error function **for a plurality of paths**, each path including a pitch candidate from a first frame and a pitch candidate from the second frame. Accordingly, the inventive method claims calculating the cumulative error function for a plurality of paths to arrive at pitch estimation. See, e.g., Application, p. 15 (describing a trellis structure to do pitch tracking in plurality of paths to arrive at the pitch estimates). Using a plurality of paths helps reduce the algorithmic delay in the encoder. Because Yeldener does not disclose all of the elements of claim 1, claim 1 is not anticipated by Yeldener and is believed allowable. Additionally, claims 3-8, which depend from claim 1, are also believed allowable.

Claim 6 further recites that a cumulative error function is calculated for all possible paths. Claim 6 depends from claim 5, which includes limits to the number of pitch candidates. Because Yeldener does not disclose a plurality of paths, it does not disclose calculating a cumulative error

function for all possible paths of a plurality of paths for a limited number of pitch candidates.

Claim 6 is believed not anticipated for this additional reason.

Claims 9-27 stand objected to as being dependent upon a rejected base claim. However, claim 1 is believed allowable as set forth above. Accordingly, it is respectfully requested that the objection to claims 9-27 be removed.

If the examiner finds that there are any outstanding issues which may be resolved by a telephone interview, the Examiner is invited to contact the undersigned at the below listed number.

Respectfully submitted,

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April 15, 2004

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